

Fig.1 Natural brassinosteroids.

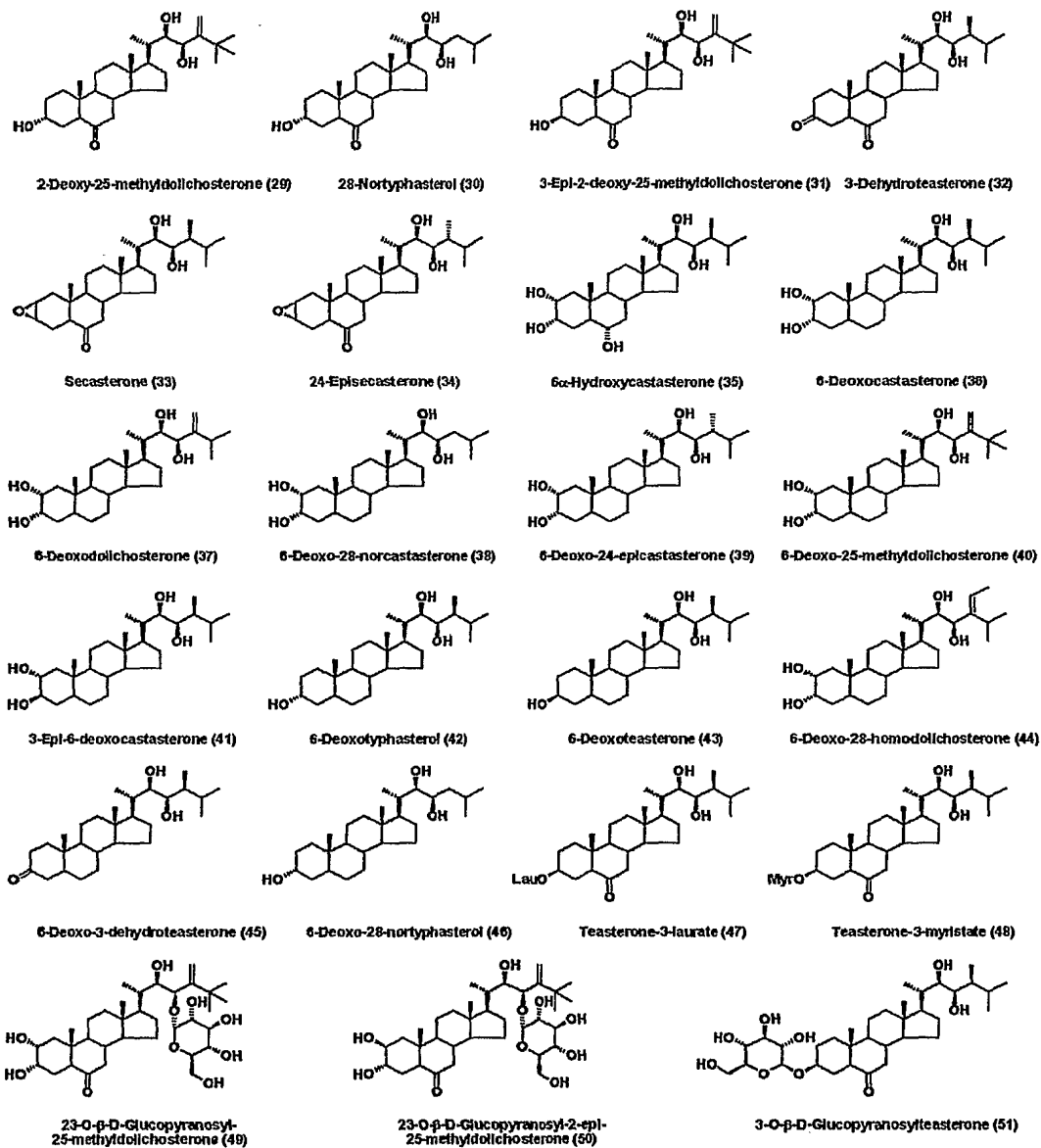


Fig. 2 Natural brassinosteroids (continued).

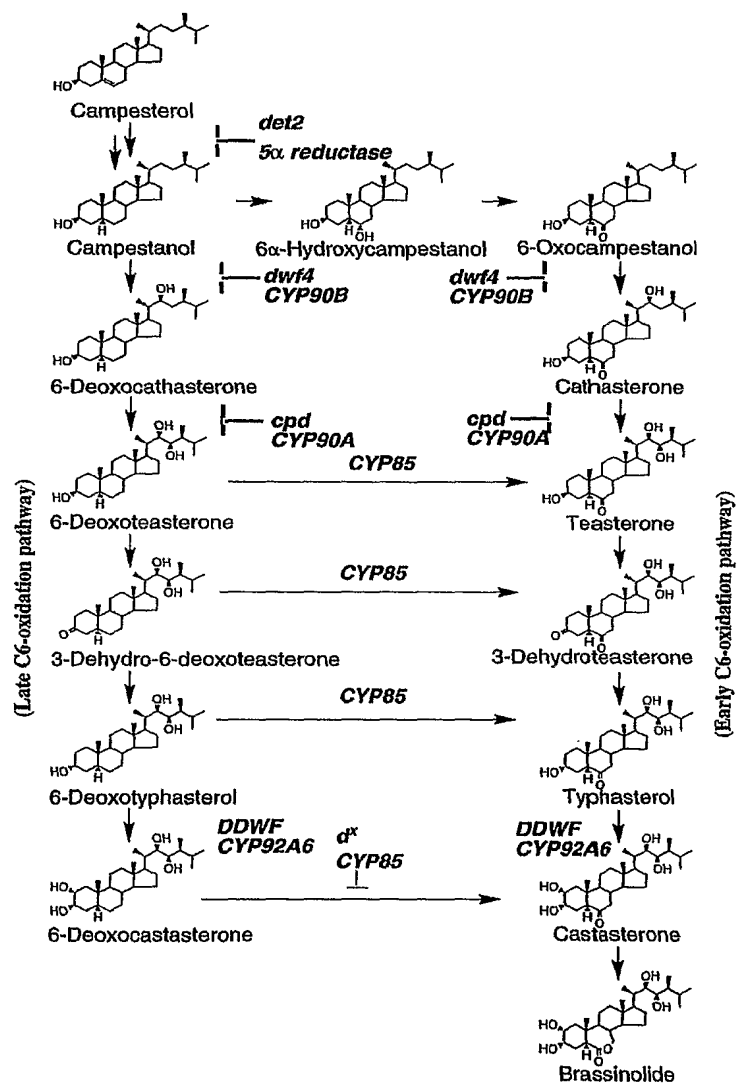


Fig. 3

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DOGt1      : MVSETTKSSPL-----HFVLPFFMAQGHMIPMDIARLLAQKGVIIITVTPPHJAARFKNVLNRAIES-GLPINLVQVKFPYL: 77
Vigna_ADGt9 : MVLQTNVNP-----HFVLPFFMAQGHMIPMDIARLLAQKGVIIITVTPPKNASRFNSVISRAVSS-GLKIRLVQLNFFPSK: 75
Nicotiana_TOGt1 : MG-----QL-----HEFFFPVMAHGHMIPMLDWAKLFAARGVKATIIITPLNEFVFSKAIQRN-KHLGIEIEIRLIKFPAY: 70
Nicotiana_Is5a : MG-----QL-----HIFFPVMAHGHMIPMLDWAKLFAARGVKATIIITPLNEFVFSKAIQRN-KHLGIEIEIRLIKFPAY: 70
Oryza_AP002523 : MSSAGHAVDQQRKSTTMKAHFVLPVMAQGHMIPMTGVARLLAEHGAQVSEFVTPPVNAARMA-GEVTAVEAAGLAVQLVKLPFPAT: 85
Lycopersicon_Twil : -----HFFFPDDAQGHMIPMLDWANVVAARGVKATIIITPLNESVFSKAIERN-KHLGIEIDIRLLKFPAY: 66
Dorotheanthus_50GT: MGTHTST-APDL-----HVVFPPFLAHGHMIPSLDIAKLFAARGVKATIIITPLNASMFTKAIKTRKNTETQMEIEVFSFPSE: 77

DOGt1      : EAGIQEGQENIDSLDTMERMIPEFKAVNFELEPVQKLIEMNPRPSCIIISDFCLPYTSKIAKFNIPKILFHGMGCFCLLCMHVR:163
Vigna_ADGt9 : EAGIREGCENLDMVSSND-MSKIFQVIHMPQKPAEEFFQITLPKPSCIISDFCIAWTIQLAEKYHIPRVSEHGFSFCFLHCRIYTH:160
Nicotiana_TOGt1 : ENGLPEECERLDQIPSDKLPNFFKAVAMMOEPLQLIEE--CRPDCIISDMFLPWTDTAAKFNIPRIVFHGTSTFALCVENSVR:154
Nicotiana_Is5a : ENGLPEECERLDQIPSDKLPNFFKAVAMMOEPLQLIEE--CRPDCIISDMFLPWTDTAAKFNIPRIVFHGTSTFALCVENSVR:154
Oryza_AP002523 : EFGLPDGCENLDMIQSRDLNRNFMEEACGALREPLTARLQOLCPPESCIISDMVQWWTGEIARELGIPRLTFDGECTFASLARYIF:171
Lycopersicon_Twil : ENDLPEDCERLDLVPSDDKLPNFLKAAAMMKDEFELIGE--CRPDCIISDMFLPWTDTAAKFSIPRIVFHGTSTFALCVGDTTR:150
Dorotheanthus_50GT: EAGLPPLGCENLEQAMAIGANNEFFNAANLLKEQLENFLVK--TRPNCLVADMFTMAADSTAKFNIPITLVFHGFSFFAQCAKEVNW:161

DOGt1      : KNREILDNLKSDKELETFVPDPDRVEFTRTQVPV-ETVVPAGDWKDI FDGMVEANETSYGVIIVNSFQELEPAYAKDY-KEVRSKA:247
Vigna_ADGt9 : TS-DFCRSITSESKYFTIPGIPDKIQVTKQLPG-SLATDLDDFKD---QVRDAEKKSYGVIIVNTFWRVGEGICEGFSRRLKNNKA:241
Nicotiana_TOGt1 : LNKPF-KNVSSDSETFVVPDLPHKIKLRTQVSPFERSGEETAMTRMIKTVRESDSKSYGVVFNSEFYELETDYVEHYTKVL-GRRA:238
Nicotiana_Is5a : LNKPF-KNVSSDSETFVVPDLPHKIKLRTQVSPFERSGEETAMTRMIKTVRESDSKSYGVVFNSEFYELETDYVEHYTKVL-GRRA:238
Oryza_AP002523 : RDK-LLDNVA-DEEIVTFSGFPMLLELPKARCPG---SLCVPGMQEQIRDKNWEEELQSDGNMNSFQELETLYIESFEQ-ITGKKV:251
Lycopersicon_Twil : RNKPF-KNVSSDSETFVVPDLPHKIKLRTQLSPFEQSDSEETGMAPMIKAVRESDAKSYGVIFNSFYELES DYVEHYTKV-GRKN:234
Dorotheanthus_50GT: RYKPY-KAVSSDTEVESLPFLPHEVKNMTRLQVPESMRKGEETHFTKRTETIRELERKSYGVIIVNSFYELEPDYADEFLRKEL-GRRA:245

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Fig.4

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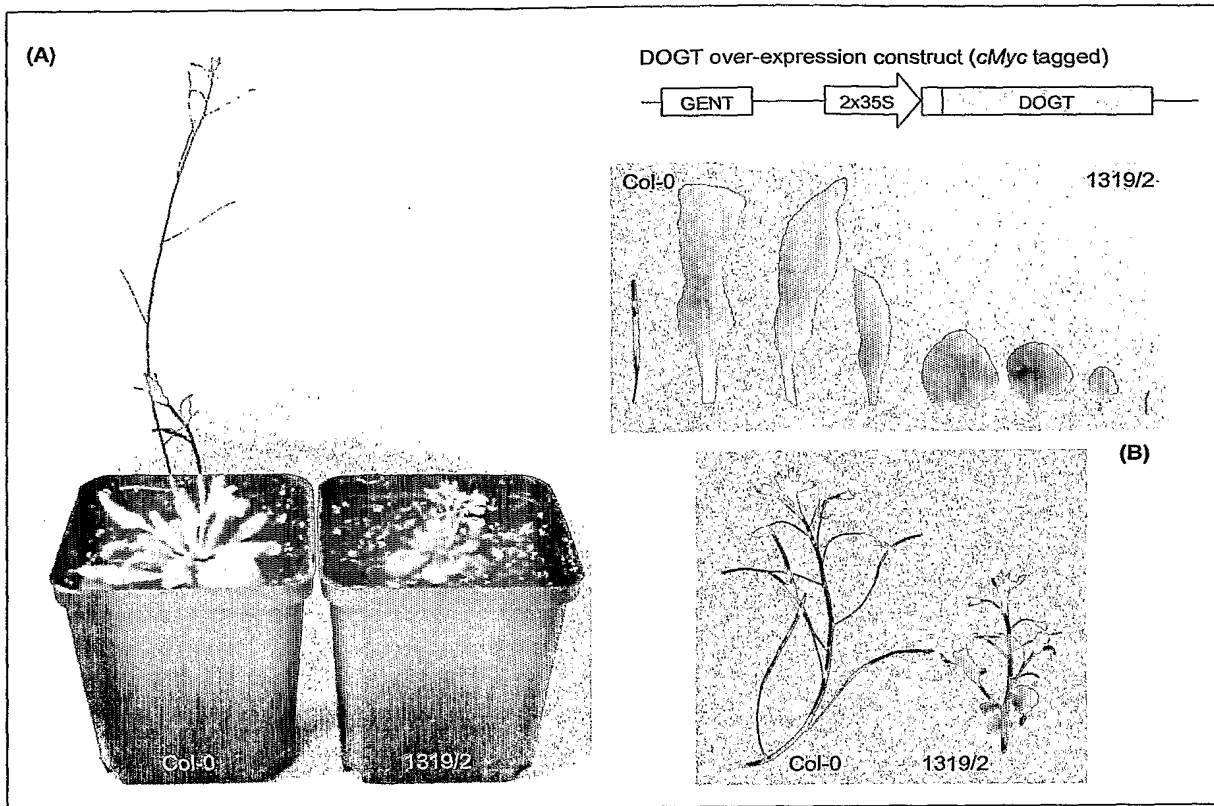


Fig. 5

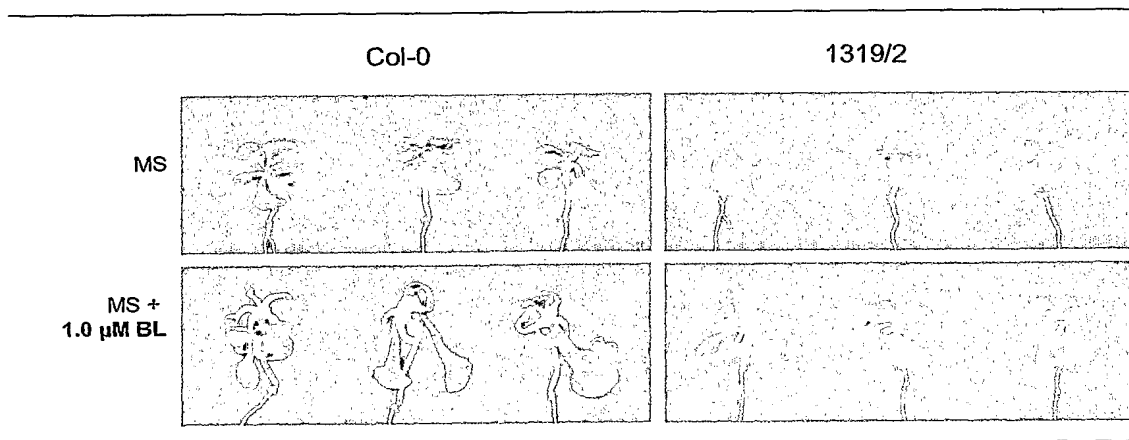


Fig. 6

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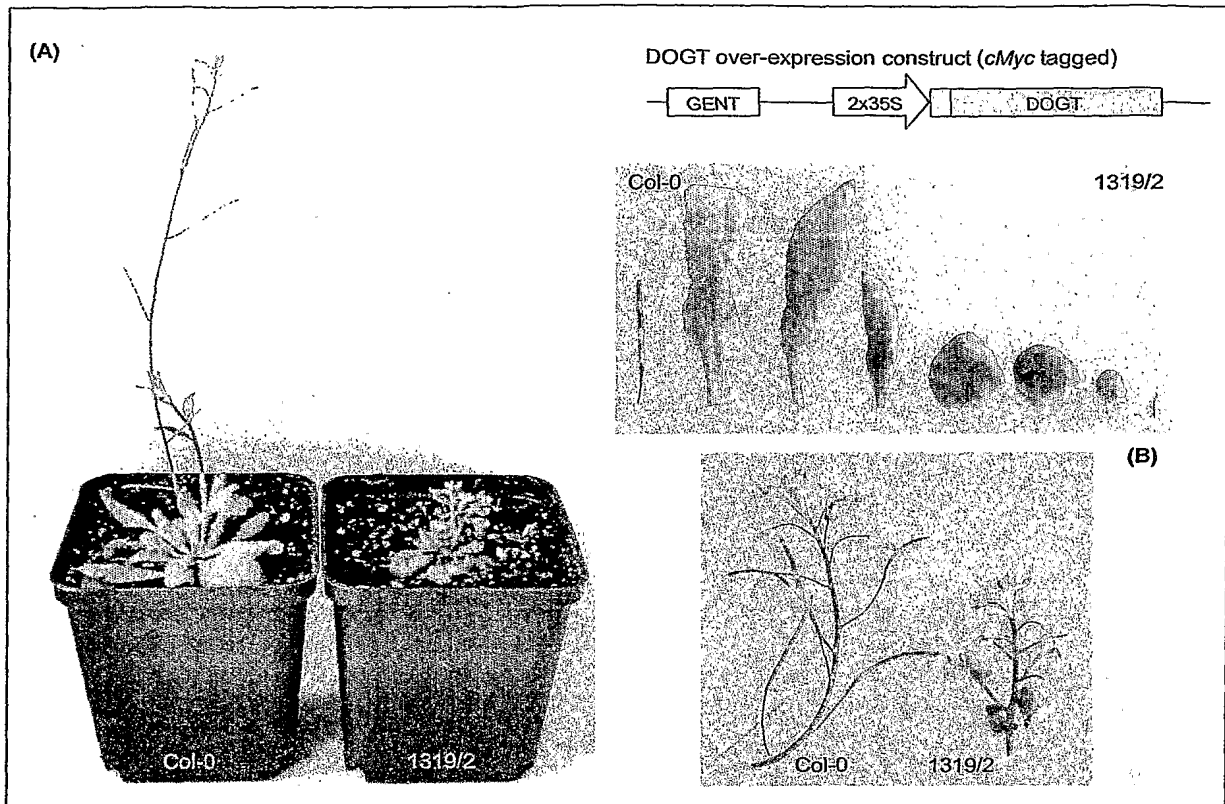


Fig. 5

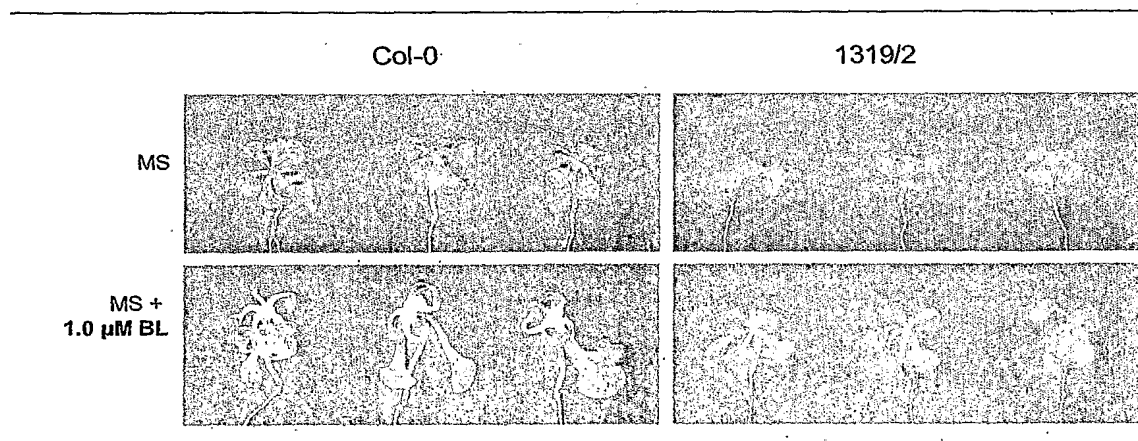


Fig. 6